BRYSTON

B100

INTEGRATED AMPLIFIER
OWNER'S MANUAL

For models

B100, B100-DA & B100-P

IMPORTANT SAFETY INSTRUCTIONS

The lightning flash with arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage " within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (includ ing amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used use caution when moving the cart/apparatus combi nation to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not oper ate normally, or has been dropped.

"WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE".

"DO NOT EXPOSE THIS EQUIPMENT TO DRIPPING OR SPLASHING AND ENSURE THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, ARE PLACED ON THE EQUIPMENT".

"TO COMPLETELY DISCONNECT THIS EQUIPMENT FROM THE AC MAINS, DISCONNECT THE POWER SUPPLY CORD PLUG FROM THE AC RECEPTACLE".

"THE MAINS PLUG OF THE POWER SUPPLY CORD SHALL REMAIN READILY OPERABLE".

INTRODUCTION:

Thank you for purchasing a Bryston B100 integrated amplifier. We are confident it will provide you with many years of musical enjoyment. We would welcome any suggestions or comments you may have regarding the operation of your Bryston amplifier.

In the unlikely event that your amplifier may require service Bryston recommends that you retain the original shipping box and packaging material for future use if required.

SETUP RECOMMENDATIONS:

You may place your B100 integrated amplifier in any convenient location. Make sure you position the amplifier to maintain a direct line-of-sight between the hand-held remote and the remote sensor eye located on the front panel. If plugged in the B100 will remain in standby indicated by the RED power LED on the front panel.

The amplifier is powered up by engaging the power button located on the front panel of the B100 or by depressing the *POWER* button on the hand held remote control unit.. The B100 will power-up momentarily with mute engaged, indicated by the mute LED turning red on the front panel; it will then turn off within a few seconds. The *POWER* LED will stay lit green indicating normal operation.

CONNECTIONS:

LOUDSPEAKERS:
Connect your loudspeakers, ensuring that the positive (red) and ground (black) terminals (gold-plated 5-way binding posts) on the Bryston B100 integrated amplifier are connected to the positive and ground terminals on your loudspeakers. Make certain the left and right speaker outputs on the amplifier are connected to your appropriate left and right loudspeakers.

SEPARATE PRE-AMP OUT & POWER AMP IN JACKS:
These two pair of RCA jacks allow for the independent use of the stereo amplifier section within a multi-channel audio or video system. On the rear panel there are connections labeled 'PRE AMP OUT' (preamplifier output) and 'POWER AMP IN' (power amplifier input) along with two slide switches (one per channel) labeled "Separate/Connect". This feature allows you to "separate or connect" the preamplifier section of the B100 from the power amplifier section thus producing a separate stereo preamp and separate stereo power amplifier.

WIRED (SERIAL DATA) REMOTE CONTROL:
There is one RS-232, one AUX IR input and two 12 volt trigger output connections as well. The RS-232 is bi-directional and allows for future software downloads from the Bryston website. It also interfaces with control systems such as Crestron and AMX.

CHASSIS GROUND:
A chassis ground thumb screw terminal is provided on the rear panel.

12 VOLT TRIGGER CONNECTOR:
These 12Vdc control outputs allow the B100 to exert on/off control over compatible equipment. See "REMOTE POWER CONTROL" for more information..

LINE LEVEL ANALOG AUDIO INPUTS :
The Bryston B100 integrated amplifier comes equipped with 8 pairs of gold plated analog RCA input connectors: *TV*, *CD*, *AUX-1/PHONO*, *AUX-2/SPDIF*, *VIDEO*, *TUNER*, *RECORD IN* and *POWER AMP IN*. All have and input impedance of 50K ohms
  • *POWER AMP IN* is normally connected, internally, to *PRE AMP OUT* via the *CONNECTED/SEPARATE* slide switch located on the rear panel. When this switch is in the *SEPARATE* position, however, any line level audio input can be used at the *POWER AMP INPUT* jacks to drive the amplifier.
  • In B100-DA models the *AUX2 (D1/D2)* input jacks accept only SPDIF PCM bit streams. They do NOT accept

analog audio input signals.
• In B100-P models, which are equipped with a moving-magnet phono equalization module, the inputs labeled **AUX1/PHONO** accept moving magnet phono cartridge inputs. These inputs are NOT line level inputs in the B100-P and cannot be used as such.

LINE LEVEL ANALOG AUDIO OUTPUTS :

The Bryston B100 integrated amplifier comes equipped with 2 pairs of gold plated analog RCA jacks for outputs: **PREAMP OUT** and **RECORD OUT**.
• **PREAMP OUT** is normally connected, internally, via the **CONNECTED/SEPARATE** switch, to **POWER AMP IN**
• **RECORD OUT** output is not affected by volume, balance or mute controls.

DIGITAL AUDIO INPUTS:

In the B100-DA model, which contains a stereo D/A converter module, there are 4 digital audio inputs available.

Two **TOSLINK** optical inputs are selected by pressing the **D3** (TOSLINK-1) or **D4** (TOSLINK-2) buttons on the front panel (when in digital mode) or on the handheld remote.

Two **SPDIF** coaxial inputs can be connected to the B100-DA using the RCA input jacks labeled **D1** and **D2**. To select these inputs first place the unit in digital mode by pressing the **DIGITAL ▸ Select** button on the front panel (or the *A/D* button on the handheld remote) and then press the **D1** or **D2** button on the front panel or on the remote). When the green LED above the font panel **DIGITAL ▸ SELECT** switch button in ON concurrently with either the **D1** (CD), **D2** (TUNER), **D3** (TV) or **D4** (VIDEO) LEDs, then digital mode is engaged.

> **Note:** Whatever digital input was previously selected in *Digital Mode* will be automatically reselected upon re-entering *Digital Mode* (from *Analog M*ode). Similarly, when re-entering *Analog Mode* from *Digital Mode* the previously selected analog input will be automatically re-selected.
> See also the *DIGITAL-to-ANALOG CONVERTER OPTION* section for more information.

HEADPHONE JACK:

There is a quarter inch headphone output jack available on the front panel of the Bryston B100 integrated amplifier. The headphone output is driven directly from the preamplifier section utilizing separate headphone buffers. Inserting the headphone jack mutes the loudspeakers automatically (indicated by the mute LED on the front panel turning red). The B100 **PREAMP OUT** is also muted.

You can adjust the volume setting of the headphones by using the volume control on the front of the B100 integrated amplifier. You may also utilize the remote control unit to adjust headphone volume. The headphones cannot be muted with the remote control unit or the front panel Mute. Only headphones with impedances of greater than 50 ohms should be used.

AUXILIARY IR INPUT:

This mono 1/8" (3mm) phone jack allows a direct connection to equipment whose remote control system provides an output from their infra-red LED drive circuit. The signal connected to this jack, which is expected to be a 5 volt logic level, should be ≥2.5Vdc and ≤10Vdc. The *tip* of the phone jack is positive (+) and the *ring* is negative (-).

LED STATUS INDICATORS:

CLIPPING: This LED (light emitting diode) will flash RED when the output waveform is clipped thus indicating an overload condition.
MUTE: Lights RED to indicate the outputs are muted..
POWER: GREEN indicates normal operation
RED indicates Standby
Blinking RED/GREEN a fault or thermal overload problem in the unit.

ANALOG ▸ Aux2 / DIGITAL ▸ Select:

In B100-DA models: when this LED is illuminated green concurrently with either *D1, D2, D3* or *D4* LEDs, it indicates that the digital inputs *D1* (SPDIF), *D2* (SPDIF), *D3* (TOSLINK) or *D4* (TOSLINK) have been selected.

In B100 & B100-P models: when illuminated green this LED indicates that the line level analog audio input *AUX-2* has been selected.

AUX1, CD, TUNER, TV/SAT VIDEO & RECORD:

One of these input source LEDs will light green to Indicate the active input. In digital mode these LEDs will light RED if the bit stream is either absent or unacceptable.
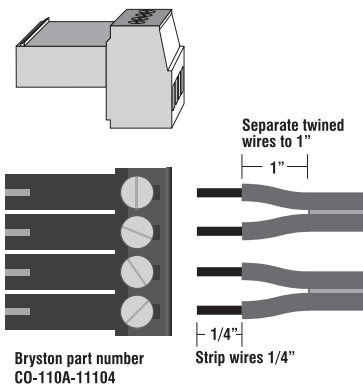
BALANCE   When the left/right signal balance is being shifted one of these LEDs will light to indicate which channel is being attenuated. Balance can be adjusted in 1dB increments to up to -6dB in either direction. *Stepping past -6dB in either direction will mute that channel fully and the LED for that channel will turn red.*

When both LEDs are on (red), PASS THROUGH mode is indicated. *(See "Pass Through Mode" on page 4)*
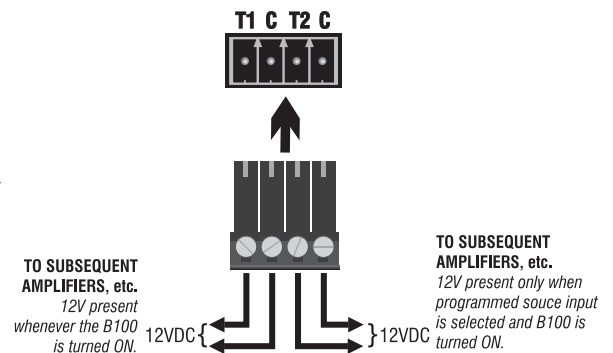

REMOTE POWER CONTROL ~ 12 VOLT TRIGGER CONNECTOR:

Two trigger outputs are provided. A 12Vdc signal is placed across the *T1* and *C* pins of the *12V TRIGGERS* connector whenever the unit is fully powered up. Then the unit goes into standby this voltage is removed.

A 12Vdc signal will be placed across the other pair of *12V TRIGGER* output pins (*T2*) whenever a certain user programmed input is selected as the source input (see below for programming instructions).

Separate twined wires to 1"

├─ 1" ─┤

├ 1/4" ┤   Strip wires 1/4"

Bryston part number CO-110A-11104

B100-SST Power Amplifier
REMOTE TRIGGER IN/OUT CONNECTOR

T1 C T2 C

TO SUBSEQUENT AMPLIFIERS, etc.
12V present whenever the B100 is turned ON.   12VDC

TO SUBSEQUENT AMPLIFIERS, etc.
12V present only when programmed souce input is selected and B100 is turned ON.   12VDC

When any other input source is selected the 12Vdc control voltage will be removed from these pins. Please note that *C* means "common" here and both *C* pins are electrically connected and identical.

CODE   POWER

REC   ▲   VOL   ▼

ANALOG
A/D (1)   AUX/PH (2)   MUTE

CD (3)   TUNER (4)   TV (5)   VIDEO (6)

(7)   (8)   (9)   (0)
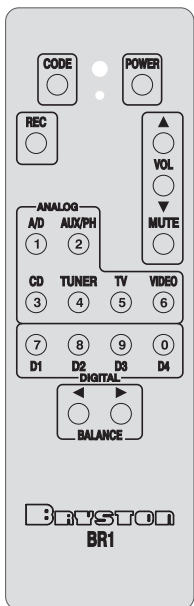D1   D2   D3   D4
DIGITAL
◄   ►
BALANCE

BRYSTON
BR1

PROGRAMMING the "T2" 12v TRIGGER OUTPUT:

By default the *T2* triggered output is inactive. To program this output to become active , whereupon a control voltage of 12Vdc will appear across *T2* & *C* terminals whenever a specific source is selected, use the handheld remote control as follows:

• Select the source that you want to coincide with *T2* going active.

• While pointing the remote control at the B100, press the *CODE* button, followed by the three digit code "247" using the keys numbered 1 through 0 in the illustration at the left. On your remote control these keys, or buttons, are labeled *AUX/PH* (2), *TUNER* (4), *D1* (7).

• The three digit code should be entered within a few seconds of pressing *CODE* button or the unit will automatically return to normal operation.

• To clear the *T2* trigger output, press the *CODE* button followed by the 3 digit code "248": *AUX/PH* (2), *TUNER* (4), *D2* (8).

HAND-HELD INFRA-RED REMOTE CONTROL:

The Bryston model B100 comes standard with a full function hand-held remote control unit. The hand held remote unit is powered by two "AAA" batteries. To change the battery remove the bottom cover plate by removing the four Philips screws on the rear of the remote unit. Ensure that the

batteries are correctly oriented and properly seated in the battery holder.

The B100 remote is a full function remote. It allows selection of all sources, volume up or down (the volume control is a motor-driven design), mute ,left/right balance, power on/off and discrete code entry.

We recommend maintaining a direct line-of-sight between the hand held remote unit and the front of the B100 to ensure the most efficient operation of the remote features.

PROGRAMMING the HANDHELD REMOTE CONTROL:

The automatic motion-sensing backlight function in the handheld infra-red remote control unit can be disabled by entering the 3 digit code "792" as follows:

1) Press and hold the *CODE* button for 5 seconds. Release when the LED flashes red.
2) After the LED stops flashing, enter the 3 digit code "792" by pressing the buttons *D1*, *D3* then *AUX/PH* (see illustration on page 3)
3) To re-enable the motion-sensing backlight function, repeat steps 1 and 2 above

To completely disable the backlight, enter the 3 digit code "797" as follows:

1) Press and hold the *CODE* button for 5 seconds. Release when the LED flashes red.
2) After the LED stops flashing, enter the 3 digit code "797" by pressing the buttons *D1*, *D3* then *D1* (see illustration on page 3)
3) To re-enable the backlight repeat steps 1 and 2 above

SENDING CODES to the B100 via the IR HANDHELD REMOTE CONTROL:

Press the CODE button on the remote control (the red LED will light) and then enter the 3 digt code, as listed in the "Wired RS232 Remote Control" section" below . The LED will flash to confirm transmission and then extinguish.

WIRED RS232 REMOTE CONTROL:

Using the DB9-female connector at the rear of the unit, the B100 can receive commands via a null modem cable at 9600 baud, 8 data bits, no parity and 1 stop bit (9600,8,N,1). Valid commands will return the ">" character indicating that the unit is ready to receive a new command. An invalid command will return the "!" character. These serial data commands are as follows:

000 - power off	015 - power on/off toggle	081 - select digital source 1 (D1)
001 - select analog source 1 (A/D)	019 - balance left	082 - select digital source 2 (D2)
002 - select analog source 2 (AUX/PH)	020 - balance right	083 - select digital source 3 (D3)
003 - select analog source 3 (CD)	029 - power on	084 - select digital source 4 (D4)
004 - select analog source 4 (TUNER)	058 - mute on	245 - set/reset *Pass Through* mode
005 - select analog source 5 (TV)	059 - mute off	247 - Set *Trigger 2* for current source
006 - select analog source 6 (VIDEO)	061 - record monitor toggle	248 - Clear *Trigger 2* for current source
007 - volume up	062 - record monitor on	255 - System reset; restore defaults
008 - volume down	063 - record monitor off	

PASS THROUGH MODE:

PASS THROUGH mode sets the pre-amp gain to 1 (unity gain) and locks out the volume & balance controls for any single analog audio source. For example, if the Front Left and Front Right outputs of a home theater surround sound processer were connected to the *TV* input of the B100, and then *PASS THROUGH* was engaged then whevever *TV* input is selected the volume and balance controls would be locked at unity gain. If other inputs were subsequently selected, volume and balance controls return to normal operation for those other input sources. Only the TV inputs would be locked at unity gain. PASS THROUGH mode, therefore, can only be assigned to one input at a time, but that input can be any one of the analog audio inputs. The power amplifier stage is not affected by PASS THROUGH mode. PASS THROUGH mode can only be set (or reset) by sending the 3 digit code "245" to the B100 either from the handheld IR remote control or via the RS232 serial data input. See "Sending Codes to the B100 via the IR Handheld

Remote Control" & "Wired RS232 Remote Control". To reassign PASS THROUGH mode to a different input source simply select the desired input and re-send the "245" code to the B100. To turn the deactivate PASS THORUGH mode, select the current *Pass Through* input and then send the "245" code to the B100. The "245" toggles PASS THROUGH mode on and off.

DIGITAL-to-ANALOG (D/A) CONVERTER OPTION:

The B100-DA comes equipped with stereo Digital-to-Analog converter (D/A or DAC) module. This module is also retrofittable to standard B100 units.

A unique feature of the B100-DA is its ability to utilize up to four independent digital sources (two SPDIF and two TOSLINK). These four digital inputs can be accessed by selecting *D1, D2, D3* and *D4* sources with the DAC feature enabled (by pressing the *DIGITAL ▸ Select* button on the left end of the front panel).

Activate the DAC feature by pressing the *DIGITAL ▸ Select* (*AUX 2*) button on the left side of the front panel (or *A/D* on the remote). The LED below the *DIGITAL ▸ Select* button will turn Green. Pressing any of the following four buttons will cause their LEDs to light green, as well, to indicate a PCM digital source is present and connected properly.

- • SPDIF 1 is accessed by selecting *D1* on the front panel or the remote.
- • SPDIF 2 is accessed by selecting *D2* on the front panel or the remote.
- • Optical 1 is accessed by selecting *D3* on the front panel or the remote.
- • Optical 2 is accessed by selecting *D4* on the front panel or the remote.

The source LED's will turn GREEN when a PCM digital bit stream is present. If there is no bit stream available or an incorrect bit stream (NON-PCM) the LED will turn RED.

You may re-select Analog by simply depressing the *DIGITAL ▸ Select* (*AUX 2*) button once more and the LED will extinguish.

All of the above functions are available from the hand held remote control as well .

MOVING-MAGNET PHONO STAGE OPTION:

The B100-P contains a *moving magnet* phono stage. The Phono Stage is modular and can be added to the standard B100 model later if required by your Bryston dealer.

  Bryston's MM Phono section features state-of-the-art accuracy in equalization, extremely low noise and distortion, and provides headroom margins sufficient to prevent overload from any known phono source. To access the Phono section simply plug your left/right turntable interconnect leads into the left/right *AUX-1/PHONO* inputs on the rear panel of the B100 and press the *AUX-1/PHONO* button on the front panel. The *AUX-1/PHONO* LED will turn green. If your turntable provides a separate ground lead, system noise may be minimized by connecting it to the ground lug in the center of the rear panel.

B100 SPECIFICATIONS:

POWER AMPLIFIER SECTION:

Power Output:	100 watts per channel into 8Ω
	180 watts per channel into 4Ω
Input Impedance:	50K ohms single ended
Sensitivity:	1v = 100 Watts into 8 ohms
Distortion:	THD+noise: < 0.005% 20Hz to 20kHz at 100 watts into 8 ohms,
IMD:	< 0.010% 60Hz + 7KHz mixed 4:1
Noise:	>108dB below rated output (with 20Hz to 22KHz bandpass filter)
Slew Rate:	>60 volts per microsecond
Power Bandwidth:	<1 Hz to over 100 kHz
Damping Factor:	Over 500 at 20 Hz, ref. 8 ohms
Power consumption:	idle 30va, maximum power 600va
Heat load:	idle 100 btu/hr., max power 288 btu/hr

PREAMPLIFIER SECTION:

Frequency response:	20Hz to 20KHz, ±.05dB
IMD or THD:	<.007%
High Level Sensitivity:	500mV
Noise:	100dB @ 20Hz to 20KHz (ref: 1V input)

GENERAL:

Dimensions:	17" or 19"w x 4.75"h x 16"c
	43.2 or 48.3mm wide x 12.1mm high x 40.6mm deep
Weight:	approx. 30 lbs (13.6kg.)

INPUT SELECT BUTTONS ~ DIGITAL MODE (BP100-DA only)
When the LED above the **AUX-2 (DIGITAL ▸ Select)** switch is illuminated green concurrently with either the **D1 (CD), D2 (TUNER), D3 (TV)** or **D4 (VIDEO)** LEDs, the unit is in **DIGITAL MODE**. The **D1, D2, D3** or **D4** buttons are then used to select one of the 4 digital audio inputs.
Press the **D1** button: **SPDIF 1** source is selected
Press the **D2** button: **SPDIF 2** source is selected
Press the **D3** button: **TOSLINK 1** source is selected
Press the **D4** button: **TOSLINK 2** source is selected
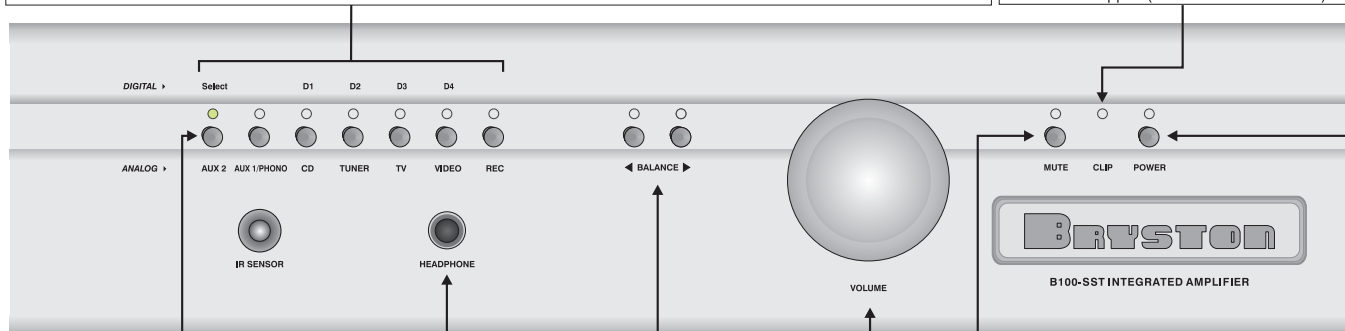
INPUT SELECT BUTTONS ~ ANALOG MODE
When only one of the source select LEDs is illuminated the unit is in ANALOG MODE. The name under the button is the source selected. Exceptions are as follows:
• In B100-P models, the **AUX-1/PHONO** LED indicates that the **moving-magnet phono** input is selected.
• In B100 & B100-DA models the **AUX-1/PHONO** LED indicates that the analog audio **AUX-1** input is selected.

POWER BUTTON & LED
This button toggles the power on & off. The LED indicates the following:
GREEN: normal operation
RED: standby
Blinking RED :   receiving valid data
Blinking RED/GREEN: thermal overload or other fault

CLIPPING LED
When illuminated RED indicates that either or both channels are clipped (overloaded or overdriven)

DIGITAL ▸   Select   D1   D2   D3   D4

ANALOG ▸   AUX 2   AUX 1/PHONO   CD   TUNER   TV   VIDEO   REC   ◂ BALANCE ▸   MUTE   CLIP   POWER

IR SENSOR   HEADPHONE   VOLUME

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B100-SST INTEGRATED AMPLIFIER

DIGITAL ▸ Select (AUX 2) BUTTON
In B100-DA models, pressing this button switches between Analog and Digital Input modes. See notes above and in "CONNECTIONS" section of this manual.
In B100 & B100-P models, this button selects the line level analog audio **AUX-2** input.

1/4" STEREO (3 conductor) HEADPHONE JACK.
It is recommended that this jack be used only with headphones having >50 ohms impedance. Plugging in a 1/4" phone plug will automatically mute the power amplifier outputs and the MUTE led will illuminate red.

BALANCE CONTROLS
Adjusts the left versus right channel levels. Pressing the left (◂) or right (▸) buttons will attenuate that channel by 1 decibel for each press of the button. When either channel is attenuated this way, the LED above the affected channel will be illuminated green. Pressing the button a 7th time will cause that channel to fully mute and the LED above the button will light red.
The balance control does not affect the **RECORD OUT** outputs.

MOTORIZED VOLUME CONTROL
Can be operated manually or via the remote control.

MUTE CONTROL
Pressing this button mutes both power amplifier channels fully and the LED lights red. Pressing the button again releases the mute condition and the LED extinguishes.
The mute control does not affect the **RECORD OUT** outputs or the headphone outputs.

OUTPUT BINDING POSTS
Connect these outputs are connected to speaker loads of greater than or equal to 4 ohms. The RED binding post is the positive phase signal and the BLACK binding post is the negative phase output signal (ground).

CONNECTED/SEPARATE SWITCH
In the CONNECTED position, the pre-amp section output is internally connected to the power amp section input. In the SEPARATE position, the POWER AMP IN jack will accept the input signal to the power amp. If this jack is left open while the switch is in the SEPARATE position, that particular channel will be effectively inoperative.

"RCA" JACKS
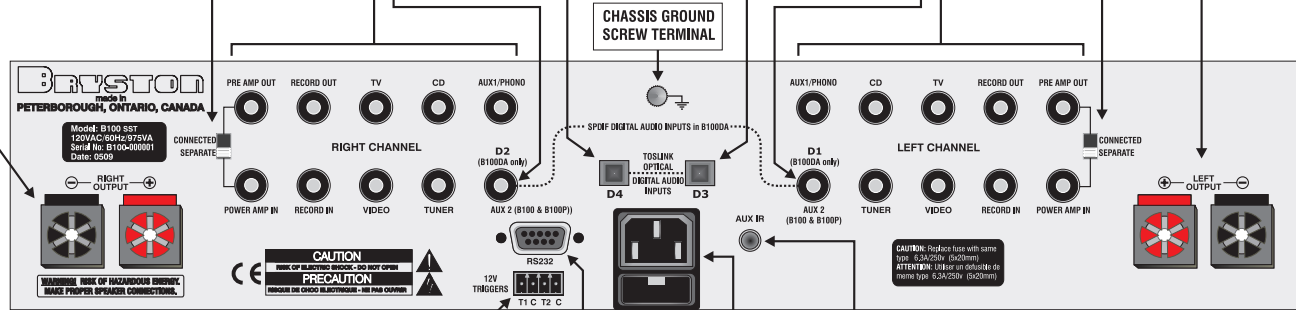Unbalanced or single-ended input (impedance 10KΩ) & outputs

ANALOG/DIGITAL DUAL MODE INPUTS
In B100-DA models, equipped with a D/A converter module, these two jacks accept SPDIF serial data input signals. In other, non-digital, models (B100 & B100P) these jacks accept only analog audio signals.

TOSLINK optical data input connectors.
These optical digital TOSLINK inputs are only active in B100-DA models.

CHASSIS GROUND SCREW TERMINAL

BRYSTON
made in
PETERBOROUGH, ONTARIO, CANADA

PRE AMP OUT   RECORD OUT   TV   CD   AUX1/PHONO   AUX1/PHONO   CD   TV   RECORD OUT   PRE AMP OUT

Model: B100 SST
120VAC/60Hz/975VA
Serial No: B100-000001
Date: 0509

CONNECTED / SEPARATE   RIGHT CHANNEL   D2 (B100DA only)   SPDIF DIGITAL AUDIO INPUTS in B100DA   D1 (B100DA only)   LEFT CHANNEL   CONNECTED / SEPARATE

RIGHT OUTPUT   TOSLINK OPTICAL DIGITAL AUDIO INPUTS   LEFT OUTPUT

POWER AMP IN   RECORD IN   VIDEO   TUNER   AUX 2 (B100 & B100P))   D4   D3   AUX IR   AUX 2 (B100 & B100P)   TUNER   VIDEO   RECORD IN   POWER AMP IN

CAUTION
RISK OF ELECTRIC SHOCK - DO NOT OPEN
PRECAUTION
RISQUE DE CHOC ELECTRIQUE – NE PAS OUVRIR

WARNING: RISK OF HAZARDOUS ENERGY.
MAKE PROPER SPEAKER CONNECTIONS.

12V TRIGGERS   T1 C T2 C

RS232

CAUTION: Replace fuse with same type 6.3A/250v (5x20mm)
ATTENTION: Utiliser un defusible de meme type 6.3A/250v. (5x20mm)

12V REMOTE TRIGGER CONNECTOR
A 12Vdc signal appears across the T1~C terminals whenever the B100 is ON. A 12Vdc control signal also appears across the T2~C terminals whenever a pre-programmed input source is selected. Refer to "Programming the 'T2' 12v Trigger Output" and "Remote Power Control ~ 12 Volt Trigger Connector" in the "B100 Owner's Manual" for more information.

RS232 JACK
For remote control from computer or other suitably equipped controllers such as Crestron & AMX

FUSE DRAWER
Accepts one 5mm X 20mm fuse. Replace only with same type of fuse listed on adjacent label. Always remove power cord before opening fuse drawer.
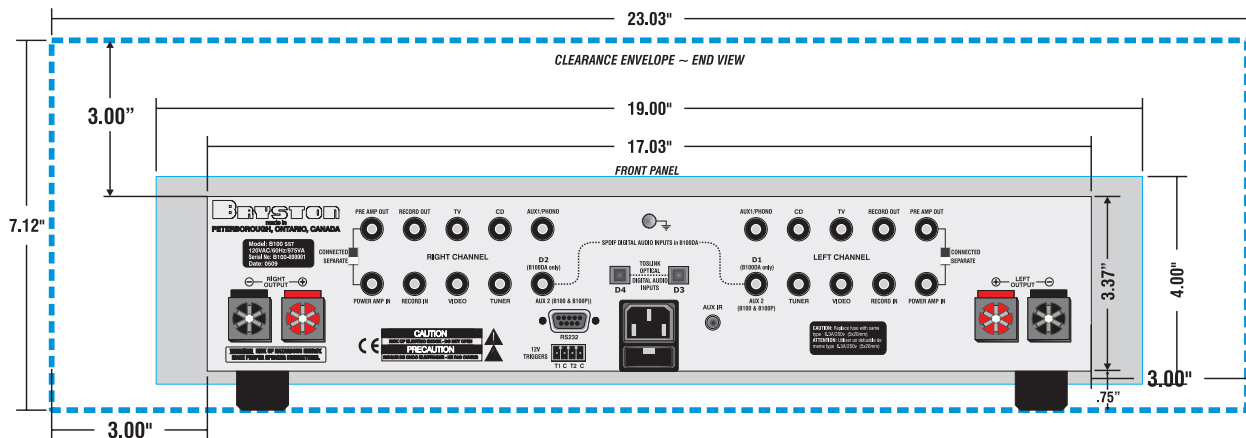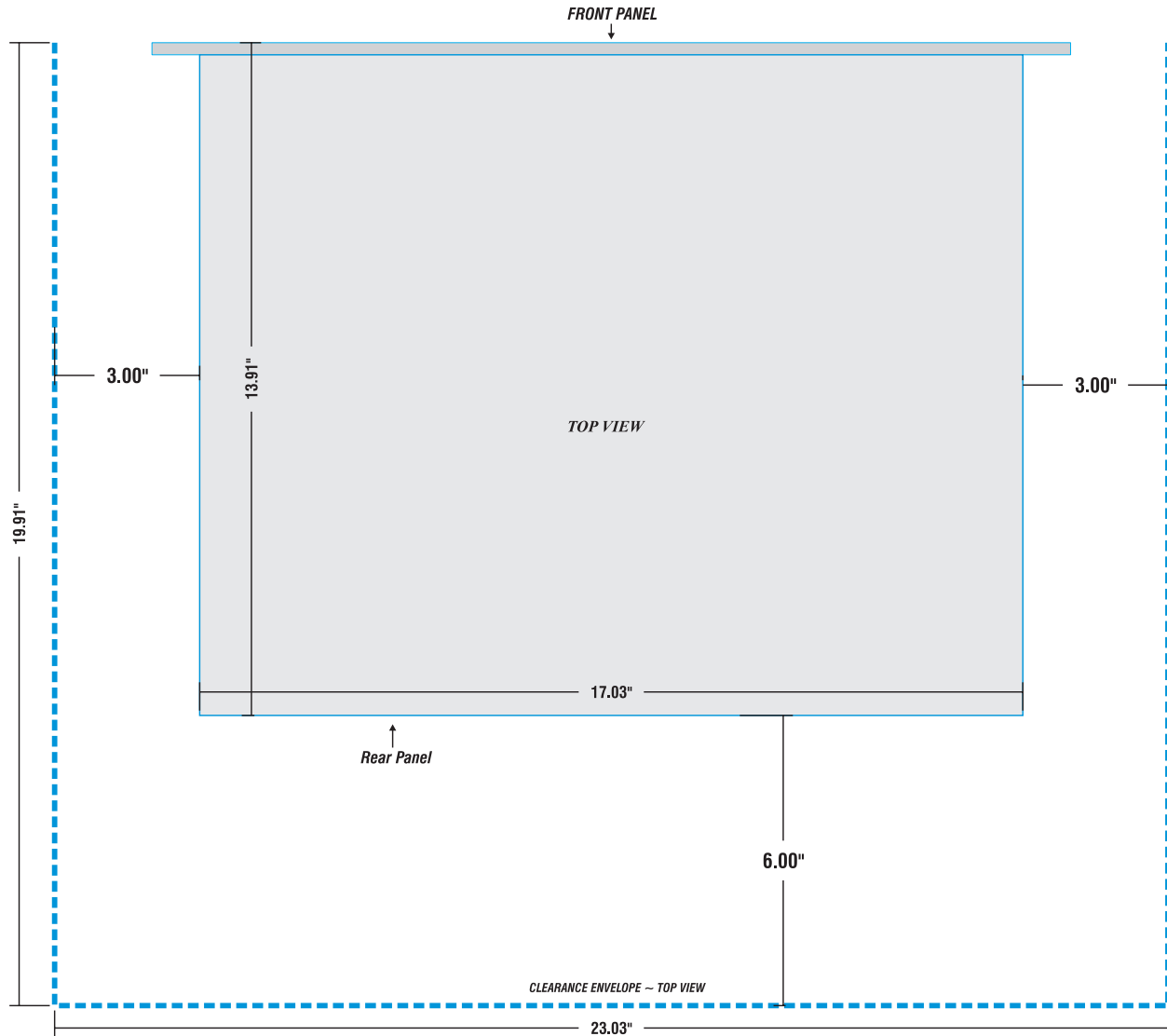
IEC-320 POWER INLET
Use only approved IEC-320 power cords.

AUX IR Input
For connection to infra-red LED drive circuits of compatible remote control equipment. Tip of the 1/8" (3mm) 2 conductor phone plug is positive (+) and the ring is negative (-). Input signal should be ≥2.5Vdc and ≤10Vdc

B100 INSTALLATION
SUGGESTED MINIMAL CLEARANCE ENVELOPE

FRONT PANEL

3.00"   13.91"   *TOP VIEW*   3.00"

19.91"

17.03"

Rear Panel

6.00"

CLEARANCE ENVELOPE ~ TOP VIEW

23.03"

23.03"

CLEARANCE ENVELOPE ~ END VIEW

3.00"   19.00"

17.03"

FRONT PANEL

7.12"   3.37"   4.00"

3.00"

.75"

3.00"

⚠ There are no user serviceable parts inside the B100. Please refer any servicing to qualified personnel.

BRYSTON LIMITED WARRANTY

Bryston audio circuits are warranted to be free from manufacturing defects for twenty (20) years from the original date of manufacture. The warranty includes parts and labour.

Bryston Digital circuits are warranted for five years from the original date of manufacture. The warranty includes parts and labour.

Bryston circuits having motorized moving parts are warranted for three years from the original date of manufacture. The warranty includes parts and labour.

Bryston will remedy the problem by repair or replacement, as we deem necessary, to restore the product to full performance. Bryston will pay return shipping during the first three years of warranty coverage.

The warranty is fully transferable to the original owner and all subsequent owners during the warranty period. Warranty coverage is automatic and commences with the original date of manufacture which is kept on file at Bryston.

In the event of a defect or malfunction, contact Bryston's repair centers for return authorization.

Products must be returned using original packaging material only. Packing material may be purchased from Bryston if necessary.

This warranty is considered void if the defect, malfunction or failure of the product or any component part was caused by damage (not resulting from a defect or malfunction) or abuse while in the possession of the customer. Tampering by persons other than factory authorized service personnel, or failure to fully comply with Bryston operating instructions, voids the warranty.

This warranty gives you specific legal rights and you may also have other rights which may vary from province to province and country to country.

BRYSTON SERVICE CANADA:
**24 STEINWAY BLVD., UNIT 48
ETOBICOKE, ONTARIO
CANADA M9W 6T8**

**PHONE: 416-675-2585
FAX: 416-675-3103
E-mail: cdnser@gta.igs.net**

BRYSTON SERVICE USA:
**79 COVENTRY ST., SUITE #5
NEWPORT VERMONT.
U.S.A. 05855-2100**

**PHONE: 802- 334-1201
FAX: 802-334-6658
E-mail: usaser@bryston.ca**

BRYSTON SERVICE OUTSIDE CANADA & the USA:
**CONTACT YOUR LOCAL DISTRIBUTOR
OR
CHECK OUR WEB SITE: www.bryston.ca
E-MAIL BRYSTON DIRECTLY: info@bryston.ca
FAX BRYSTON DIRECTLY: 705-742-0882
PHONE BRYSTON DIRECTLY: 705-743-5325**

BRYSTON LTD., 677 NEAL DRIVE, P.O. BOX 2170, PETERBOROUGH, ONTARIO CANADA K9J 7Y4

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